Agatha Dr - NONCD0002817

Well Address	Sample Date	Sample By	Well ID#	PCE 2L= 1 MCL= 5 RAL= 12	TCE 2L= 3 MCL= 5 RAL= 300	1,4-Dioxane 2L= 3 MCL= RAL= 611	cis-1,1-DCE 2L= 6 MCL= RAL= 242	Chloromethane 2L= 3 MCL= RAL= 563	1,2-Dichloropropane 2L= 0.6 MCL= 5 RAL=	HRE Sent	Comments
7095 Agatha Dr	**10/27/2010**	Guilford Co							**11.9**	Y	Unknown if filter is in use
7091 Agatha Dr PRE-FILTER	**10/27/2010**	Guilford Co							**2.1**	Y	Filter in use.
	7/7/2014	BAF							**3.8**	Y	
7091 Agatha Dr POST-FILTER	10/27/2010	Guilford Co									
	7/7/2014	BAF	No Detection								
7088 Agatha Dr	10/27/2010	Guilford Co	No Detection							Y	
	7/7/2014	BAF	No Detection								
7093 Agatha Dr	10/27/2010	Guilford Co								Y	Trace detection of 1,2-Dichloropropane
	7/7/2014	BAF	No Detection								
7094 Agatha Dr	7/7/2014	BAF	No Detection								
7033 Ellison Rd	7/7/2014	BAF	No Detection								

Notes:
All units in ug/l (ppb)
Above MDL Limt = BOLD
Above 2L Limit = **BOLD**
Above MCL Limit = **BOLD**
Above RAL = **BOLD**
Chloroform Below 2L = NOT BOLD
HRE Sent =
*=Sample collected after filter system
(T) or (t) = Total

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
Chloromethane (AKA - Methyl Chloride)

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

John E. Skvarla, III
Secretary

August 28, 2014

Michael Hendrickson
7033 Ellison Road
Stokesdale, NC 27357

RE: Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)
7033 Ellison Road
Stokesdale, NC 27357

Dear Mr. Hendrickson:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Guilford County Health Department

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7033 ELLISON**
Date Sampled: **07/07/2014 1347**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-014**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2014 1548	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7033 ELLISON**
Date Sampled: **07/07/2014 1347**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-014**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2014 1548	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

John E. Skvarla, III
Secretary

August 29, 2014

Robin Baker Gonzalez
7094 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)
7094 Agatha Drive
Stokesdale, NC 27357

Dear Ms. Gonzalez:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Guilford County Health Department

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7094 AGATHA**
Date Sampled: **07/07/2014 1325**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1547	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7094 AGATHA**
Date Sampled: **07/07/2014 1325**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1547	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

John E. Skvarla, III
Secretary

August 29, 2014

Daniel Cimino
7093 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)
7093 Agatha Drive
Stokesdale, NC 27357

Dear Mr. Cimino:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Guilford County Health Department

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7093 AGATHA**
Date Sampled: **07/07/2014 1302**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1524	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
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1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
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1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **PG08011-012**
Description: **7093 AGATHA**
Matrix: **Aqueous**
Date Sampled: **07/07/2014 1302**
Date Received: **07/08/2014**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1524	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
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NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

John E. Skvarla, III
Secretary

August 29, 2014

Jeremy Barnes
7088 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)
7088 Agatha Drive
Stokesdale, NC 27357

Dear Mr. Barnes:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Guilford County Health Department

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA** Laboratory ID: **PG08011-008**

Description: **7088 AGATHA-B** Matrix: **Aqueous**

Date Sampled: **07/07/2014 1207**

Date Received: **07/08/2014**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1353	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7088 AGATHA-B**
Date Sampled: **07/07/2014 1207**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1353	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

John E. Skvarla, III
Secretary

August 29, 2014

Jimmy and Melodie Autrand
7091 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)
7091 Agatha Drive
Stokesdale, NC 27357

Dear Mr. and Ms. Autrand:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because one or more contaminants were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Guilford County Health Department

August 27, 2014

MEMORANDUM

TO: Vince Antrilli
Inactive Hazardous Sites Branch
Superfund Section

FROM: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

RE: Health Risk Evaluation
Agatha Drive
7091 Agatha-B
Stokesdale, Guilford County
NONCD 000 2817

A water sample was collected from the subject well on July 7, 2014. The concentration of 1,2-Dichloropropane detected in the water sample is below applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the health based North Carolina Groundwater Quality Standard (15A NCAC 2L)/ Interim Standard (IMAC). If both the USEPA MCL and health- based North Carolina 2L/IMAC are not available, a health-based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation, the water from this can be used for drinking, cooking and all other purposes listed above.** The table below compares detected contaminant concentrations with the applicable standards:

Sample #	Contaminant	Concentration (ug/L)	US EPA MCL (ug/L)	NC 2L (ug/L)	Calculated Health Based Concentration (ug/l)
PG08011-009	1,2-Dichloropropane	3.8	5	**	**

** Not Applicable
ug/L= Micrograms of contaminant per liter of water.

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-B**
Date Sampled: **07/07/2014 1225**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1416	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**3.8**		**0.50**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-B**
Date Sampled: **07/07/2014 1225**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1416	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-A**
Date Sampled: **07/07/2014 1238**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1439	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-A**
Date Sampled: **07/07/2014 1238**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1439	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-RO**
Date Sampled: **07/07/2014 1240**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1501	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-RO**
Date Sampled: **07/07/2014 1240**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1501	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

August 27, 2014

MEMORANDUM

TO: Hanna Assefa, Industrial Hygienist
Superfund Section, IHSB

FROM: Vince Antrilli
Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE: Health Risk Evaluation Request
Agatha Drive
7091 Agatha-B
Stokesdale, Guilford County
NONCD 000 2817

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected on July 7, 2014. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (µg/L)	US EPA MCL (µg/L)	NC 2L (µg/L)
PG08011-008	1,2-Dichloropropane	3.8	5.0	0.6

If you have any questions, please contact me at 707-8353.

Attachment

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

NCDENR - DWM - DSCA
217 West Jones St.
Raleigh, NC 27603
Attention: Vincent Antrilli

Project Name: ~~Russell~~ Busick Rd & Agatha Dr.

Project Number: **NONCD0002817**

Lot Number: **PG08011**

Date Completed: **07/18/2014**

N. Saikaly

Nisreen Saikaly
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
NCDENR - DWM - DSCA
Lot Number: PG08011

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
NCDENR - DWM - DSCA
Lot Number: PG08011

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TRIP BLANK	Aqueous	07/07/2014	07/08/2014
002	900 GROOM	Aqueous	07/07/2014 0850	07/08/2014
003	804 GROOM	Aqueous	07/07/2014 0915	07/08/2014
004	190 BUSICK-A	Aqueous	07/07/2014 0952	07/08/2014
005	190 BUSICK-B	Aqueous	07/07/2014 1000	07/08/2014
006	210 BUSICK	Aqueous	07/07/2014 1022	07/08/2014
007	272 BUSICK	Aqueous	07/07/2014 1047	07/08/2014
008	7088 AGATHA-B	Aqueous	07/07/2014 1207	07/08/2014
009	7091 AGATHA-B	Aqueous	07/07/2014 1225	07/08/2014
010	7091 AGATHA-A	Aqueous	07/07/2014 1238	07/08/2014
011	7091 AGATHA-RO	Aqueous	07/07/2014 1240	07/08/2014
012	7093 AGATHA	Aqueous	07/07/2014 1302	07/08/2014
013	7094 AGATHA	Aqueous	07/07/2014 1325	07/08/2014
014	7033 ELLISON	Aqueous	07/07/2014 1347	07/08/2014

(14 samples)

Executive Summary
NCDENR - DWM - DSCA
Lot Number: PG08011

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
006	210 BUSICK	Aqueous	Trichloroethene	8260B	1.3		ug/L	16
009	7091 AGATHA-B	Aqueous	1,2-Dichloropropane	8260B	3.8		ug/L	21

(2 detections)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA** Laboratory ID: **PG08011-001**

Description: **TRIP BLANK** Matrix: **Aqueous**

Date Sampled: **07/07/2014**

Date Received: **07/08/2014**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1113	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Laboratory ID: **PG08011-001**
Description: **TRIP BLANK**
Matrix: **Aqueous**
Date Sampled: **07/07/2014**
Date Received: **07/08/2014**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1113	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		90	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7088 AGATHA-B**
Date Sampled: **07/07/2014 1207**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1353	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7088 AGATHA-B**
Date Sampled: **07/07/2014 1207**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1353	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-B**
Date Sampled: **07/07/2014 1225**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1416	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**3.8**		**0.50**	**ug/L**	**1**
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-B**
Date Sampled: **07/07/2014 1225**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1416	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-A**
Date Sampled: **07/07/2014 1238**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1439	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-A**
Date Sampled: **07/07/2014 1238**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1439	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-RO**
Date Sampled: **07/07/2014 1240**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1501	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7091 AGATHA-RO**
Date Sampled: **07/07/2014 1240**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1501	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7093 AGATHA**
Date Sampled: **07/07/2014 1302**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1524	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7093 AGATHA**
Date Sampled: **07/07/2014 1302**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1524	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7094 AGATHA**
Date Sampled: **07/07/2014 1325**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1547	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7094 AGATHA**
Date Sampled: **07/07/2014 1325**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-013**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1547	EH1		51495

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		88	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7033 ELLISON**
Date Sampled: **07/07/2014 1347**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-014**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2014 1548	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**
Description: **7033 ELLISON**
Date Sampled: **07/07/2014 1347**
Date Received: **07/08/2014**

Laboratory ID: **PG08011-014**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/17/2014 1548	EH1		51627

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51495-001
Batch: 51495
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	07/16/2014 1050
Benzene	ND		1	0.50	ug/L	07/16/2014 1050
Bromodichloromethane	ND		1	0.50	ug/L	07/16/2014 1050
Bromoform	ND		1	0.50	ug/L	07/16/2014 1050
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	07/16/2014 1050
2-Butanone (MEK)	ND		1	10	ug/L	07/16/2014 1050
Carbon disulfide	ND		1	0.50	ug/L	07/16/2014 1050
Carbon tetrachloride	ND		1	0.50	ug/L	07/16/2014 1050
Chlorobenzene	ND		1	0.50	ug/L	07/16/2014 1050
Chloroethane	ND		1	0.50	ug/L	07/16/2014 1050
Chloroform	ND		1	0.50	ug/L	07/16/2014 1050
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	07/16/2014 1050
Cyclohexane	ND		1	0.50	ug/L	07/16/2014 1050
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	07/16/2014 1050
Dibromochloromethane	ND		1	0.50	ug/L	07/16/2014 1050
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	07/16/2014 1050
1,4-Dichlorobenzene	ND		1	0.50	ug/L	07/16/2014 1050
1,3-Dichlorobenzene	ND		1	0.50	ug/L	07/16/2014 1050
1,2-Dichlorobenzene	ND		1	0.50	ug/L	07/16/2014 1050
Dichlorodifluoromethane	ND		1	0.50	ug/L	07/16/2014 1050
1,2-Dichloroethane	ND		1	0.50	ug/L	07/16/2014 1050
1,1-Dichloroethane	ND		1	0.50	ug/L	07/16/2014 1050
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	07/16/2014 1050
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	07/16/2014 1050
1,1-Dichloroethene	ND		1	0.50	ug/L	07/16/2014 1050
1,2-Dichloropropane	ND		1	0.50	ug/L	07/16/2014 1050
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	07/16/2014 1050
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	07/16/2014 1050
Ethylbenzene	ND		1	0.50	ug/L	07/16/2014 1050
2-Hexanone	ND		1	10	ug/L	07/16/2014 1050
Isopropylbenzene	ND		1	0.50	ug/L	07/16/2014 1050
Methyl acetate	ND		1	1.0	ug/L	07/16/2014 1050
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	07/16/2014 1050
4-Methyl-2-pentanone	ND		1	10	ug/L	07/16/2014 1050
Methylcyclohexane	ND		1	5.0	ug/L	07/16/2014 1050
Methylene chloride	ND		1	0.50	ug/L	07/16/2014 1050
Styrene	ND		1	0.50	ug/L	07/16/2014 1050
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	07/16/2014 1050
Tetrachloroethene	ND		1	0.50	ug/L	07/16/2014 1050
Toluene	ND		1	0.50	ug/L	07/16/2014 1050
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	07/16/2014 1050
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	07/16/2014 1050
1,1,2-Trichloroethane	ND		1	0.50	ug/L	07/16/2014 1050
1,1,1-Trichloroethane	ND		1	0.50	ug/L	07/16/2014 1050

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51495-001
Batch: 51495
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	07/16/2014 1050
Trichlorofluoromethane	ND		1	0.50	ug/L	07/16/2014 1050
Vinyl chloride	ND		1	0.50	ug/L	07/16/2014 1050
Xylenes (total)	ND		1	0.50	ug/L	07/16/2014 1050

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51495-002
Batch: 51495
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	94		1	94	60-140	07/16/2014 0919
Benzene	50	55		1	109	70-130	07/16/2014 0919
Bromodichloromethane	50	50		1	101	70-130	07/16/2014 0919
Bromoform	50	48		1	96	70-130	07/16/2014 0919
Bromomethane (Methyl bromide)	50	53		1	106	60-140	07/16/2014 0919
2-Butanone (MEK)	100	86		1	86	60-140	07/16/2014 0919
Carbon disulfide	50	56		1	113	60-140	07/16/2014 0919
Carbon tetrachloride	50	56		1	113	70-130	07/16/2014 0919
Chlorobenzene	50	50		1	100	70-130	07/16/2014 0919
Chloroethane	50	56		1	113	42-163	07/16/2014 0919
Chloroform	50	52		1	103	70-130	07/16/2014 0919
Chloromethane (Methyl chloride)	50	51		1	102	20-158	07/16/2014 0919
Cyclohexane	50	61		1	122	70-130	07/16/2014 0919
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	07/16/2014 0919
Dibromochloromethane	50	50		1	100	70-130	07/16/2014 0919
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/16/2014 0919
1,4-Dichlorobenzene	50	53		1	105	70-130	07/16/2014 0919
1,3-Dichlorobenzene	50	52		1	105	70-130	07/16/2014 0919
1,2-Dichlorobenzene	50	51		1	101	70-130	07/16/2014 0919
Dichlorodifluoromethane	50	52		1	104	60-140	07/16/2014 0919
1,2-Dichloroethane	50	57		1	114	70-130	07/16/2014 0919
1,1-Dichloroethane	50	53		1	106	70-130	07/16/2014 0919
trans-1,2-Dichloroethene	50	52		1	104	70-130	07/16/2014 0919
cis-1,2-Dichloroethene	50	50		1	100	70-130	07/16/2014 0919
1,1-Dichloroethene	50	54		1	107	70-130	07/16/2014 0919
1,2-Dichloropropane	50	55		1	111	70-130	07/16/2014 0919
trans-1,3-Dichloropropene	50	53		1	106	70-130	07/16/2014 0919
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/16/2014 0919
Ethylbenzene	50	53		1	105	70-130	07/16/2014 0919
2-Hexanone	100	100		1	102	60-140	07/16/2014 0919
Isopropylbenzene	50	54		1	108	70-130	07/16/2014 0919
Methyl acetate	50	42		1	83	70-130	07/16/2014 0919
Methyl tertiary butyl ether (MTBE)	50	52		1	103	70-130	07/16/2014 0919
4-Methyl-2-pentanone	100	110		1	109	60-140	07/16/2014 0919
Methylcyclohexane	50	54		1	108	70-130	07/16/2014 0919
Methylene chloride	50	49		1	97	70-130	07/16/2014 0919
Styrene	50	52		1	105	70-130	07/16/2014 0919
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	07/16/2014 0919
Tetrachloroethene	50	53		1	106	70-130	07/16/2014 0919
Toluene	50	53		1	106	70-130	07/16/2014 0919
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	53		1	106	70-130	07/16/2014 0919
1,2,4-Trichlorobenzene	50	45		1	91	70-130	07/16/2014 0919
1,1,2-Trichloroethane	50	50		1	99	70-130	07/16/2014 0919
1,1,1-Trichloroethane	50	51		1	102	70-130	07/16/2014 0919

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51495-002
Batch: 51495
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51		1	102	70-130	07/16/2014 0919
Trichlorofluoromethane	50	53		1	106	60-140	07/16/2014 0919
Vinyl chloride	50	48		1	97	60-140	07/16/2014 0919
Xylenes (total)	100	100		1	104	70-130	07/16/2014 0919

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51495-003
Batch: 51495
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	94		1	94	0.64	60-140	20	07/16/2014 0942
Benzene	50	54		1	108	0.63	70-130	20	07/16/2014 0942
Bromodichloromethane	50	49		1	99	2.0	70-130	20	07/16/2014 0942
Bromoform	50	50		1	99	3.7	70-130	20	07/16/2014 0942
Bromomethane (Methyl bromide)	50	45		1	90	17	60-140	20	07/16/2014 0942
2-Butanone (MEK)	100	100		1	104	18	60-140	20	07/16/2014 0942
Carbon disulfide	50	52		1	103	8.8	60-140	20	07/16/2014 0942
Carbon tetrachloride	50	51		1	101	11	70-130	20	07/16/2014 0942
Chlorobenzene	50	50		1	100	0.12	70-130	20	07/16/2014 0942
Chloroethane	50	50		1	99	12	42-163	20	07/16/2014 0942
Chloroform	50	51		1	102	1.1	70-130	20	07/16/2014 0942
Chloromethane (Methyl chloride)	50	51		1	101	0.56	20-158	20	07/16/2014 0942
Cyclohexane	50	56		1	112	8.8	70-130	20	07/16/2014 0942
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	6.3	70-130	20	07/16/2014 0942
Dibromochloromethane	50	56		1	112	11	70-130	20	07/16/2014 0942
1,2-Dibromoethane (EDB)	50	53		1	105	5.1	70-130	20	07/16/2014 0942
1,4-Dichlorobenzene	50	53		1	106	0.46	70-130	20	07/16/2014 0942
1,3-Dichlorobenzene	50	54		1	107	2.2	70-130	20	07/16/2014 0942
1,2-Dichlorobenzene	50	52		1	104	2.6	70-130	20	07/16/2014 0942
Dichlorodifluoromethane	50	51		1	103	1.3	60-140	20	07/16/2014 0942
1,2-Dichloroethane	50	49		1	99	15	70-130	20	07/16/2014 0942
1,1-Dichloroethane	50	50		1	99	7.2	70-130	20	07/16/2014 0942
trans-1,2-Dichloroethene	50	57		1	114	8.9	70-130	20	07/16/2014 0942
cis-1,2-Dichloroethene	50	54		1	109	8.0	70-130	20	07/16/2014 0942
1,1-Dichloroethene	50	51		1	103	4.1	70-130	20	07/16/2014 0942
1,2-Dichloropropane	50	55		1	109	1.3	70-130	20	07/16/2014 0942
trans-1,3-Dichloropropene	50	52		1	104	2.1	70-130	20	07/16/2014 0942
cis-1,3-Dichloropropene	50	62		1	124	14	70-130	20	07/16/2014 0942
Ethylbenzene	50	53		1	106	1.1	70-130	20	07/16/2014 0942
2-Hexanone	100	98		1	98	3.4	60-140	20	07/16/2014 0942
Isopropylbenzene	50	53		1	106	1.1	70-130	20	07/16/2014 0942
Methyl acetate	50	42		1	85	2.0	70-130	20	07/16/2014 0942
Methyl tertiary butyl ether (MTBE)	50	57		1	115	11	70-130	20	07/16/2014 0942
4-Methyl-2-pentanone	100	120		1	120	9.2	60-140	20	07/16/2014 0942
Methylcyclohexane	50	57		1	114	5.6	70-130	20	07/16/2014 0942
Methylene chloride	50	48		1	95	2.1	70-130	20	07/16/2014 0942
Styrene	50	57		1	113	7.7	70-130	20	07/16/2014 0942
1,1,2,2-Tetrachloroethane	50	55		1	111	2.0	70-130	20	07/16/2014 0942
Tetrachloroethene	50	53		1	105	0.39	70-130	20	07/16/2014 0942
Toluene	50	55		1	109	3.7	70-130	20	07/16/2014 0942
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	6.0	70-130	20	07/16/2014 0942
1,2,4-Trichlorobenzene	50	49		1	97	6.7	70-130	20	07/16/2014 0942
1,1,2-Trichloroethane	50	50		1	100	0.60	70-130	20	07/16/2014 0942
1,1,1-Trichloroethane	50	50		1	100	1.9	70-130	20	07/16/2014 0942

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51495-003
Batch: 51495
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51		1	102	0.29	70-130	20	07/16/2014 0942
Trichlorofluoromethane	50	52		1	104	2.7	60-140	20	07/16/2014 0942
Vinyl chloride	50	48		1	96	0.66	60-140	20	07/16/2014 0942
Xylenes (total)	100	110		1	106	1.6	70-130	20	07/16/2014 0942

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51627-001
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	07/17/2014 1046
Benzene	ND		1	0.50	ug/L	07/17/2014 1046
Bromodichloromethane	ND		1	0.50	ug/L	07/17/2014 1046
Bromoform	ND		1	0.50	ug/L	07/17/2014 1046
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	07/17/2014 1046
2-Butanone (MEK)	ND		1	10	ug/L	07/17/2014 1046
Carbon disulfide	ND		1	0.50	ug/L	07/17/2014 1046
Carbon tetrachloride	ND		1	0.50	ug/L	07/17/2014 1046
Chlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
Chloroethane	ND		1	0.50	ug/L	07/17/2014 1046
Chloroform	ND		1	0.50	ug/L	07/17/2014 1046
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	07/17/2014 1046
Cyclohexane	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	07/17/2014 1046
Dibromochloromethane	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	07/17/2014 1046
1,4-Dichlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dichlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
1,3-Dichlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
Dichlorodifluoromethane	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
1,1-Dichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
1,1-Dichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dichloropropane	ND		1	0.50	ug/L	07/17/2014 1046
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	07/17/2014 1046
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	07/17/2014 1046
Ethylbenzene	ND		1	0.50	ug/L	07/17/2014 1046
2-Hexanone	ND		1	10	ug/L	07/17/2014 1046
Isopropylbenzene	ND		1	0.50	ug/L	07/17/2014 1046
Methyl acetate	ND		1	1.0	ug/L	07/17/2014 1046
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	07/17/2014 1046
4-Methyl-2-pentanone	ND		1	10	ug/L	07/17/2014 1046
Methylcyclohexane	ND		1	5.0	ug/L	07/17/2014 1046
Methylene chloride	ND		1	0.50	ug/L	07/17/2014 1046
Styrene	ND		1	0.50	ug/L	07/17/2014 1046
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	07/17/2014 1046
Tetrachloroethene	ND		1	0.50	ug/L	07/17/2014 1046
Toluene	ND		1	0.50	ug/L	07/17/2014 1046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	07/17/2014 1046
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
1,1,2-Trichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
1,1,1-Trichloroethane	ND		1	0.50	ug/L	07/17/2014 1046

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: PQ51627-001
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
Trichlorofluoromethane	ND		1	0.50	ug/L	07/17/2014 1046
Vinyl chloride	ND		1	0.50	ug/L	07/17/2014 1046
Xylenes (total)	ND		1	0.50	ug/L	07/17/2014 1046

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51627-002
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96		1	96	60-140	07/17/2014 0915
Benzene	50	53		1	105	70-130	07/17/2014 0915
Bromodichloromethane	50	49		1	98	70-130	07/17/2014 0915
Bromoform	50	46		1	92	70-130	07/17/2014 0915
Bromomethane (Methyl bromide)	50	48		1	95	60-140	07/17/2014 0915
2-Butanone (MEK)	100	93		1	93	60-140	07/17/2014 0915
Carbon disulfide	50	54		1	108	60-140	07/17/2014 0915
Carbon tetrachloride	50	49		1	98	70-130	07/17/2014 0915
Chlorobenzene	50	48		1	96	70-130	07/17/2014 0915
Chloroethane	50	54		1	108	42-163	07/17/2014 0915
Chloroform	50	50		1	100	70-130	07/17/2014 0915
Chloromethane (Methyl chloride)	50	46		1	92	20-158	07/17/2014 0915
Cyclohexane	50	60		1	120	70-130	07/17/2014 0915
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	70-130	07/17/2014 0915
Dibromochloromethane	50	48		1	95	70-130	07/17/2014 0915
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	07/17/2014 0915
1,4-Dichlorobenzene	50	51		1	101	70-130	07/17/2014 0915
1,2-Dichlorobenzene	50	49		1	98	70-130	07/17/2014 0915
1,3-Dichlorobenzene	50	50		1	101	70-130	07/17/2014 0915
Dichlorodifluoromethane	50	50		1	100	60-140	07/17/2014 0915
1,2-Dichloroethane	50	50		1	99	70-130	07/17/2014 0915
1,1-Dichloroethane	50	51		1	102	70-130	07/17/2014 0915
trans-1,2-Dichloroethene	50	51		1	101	70-130	07/17/2014 0915
1,1-Dichloroethene	50	52		1	103	70-130	07/17/2014 0915
cis-1,2-Dichloroethene	50	50		1	101	70-130	07/17/2014 0915
1,2-Dichloropropane	50	54		1	107	70-130	07/17/2014 0915
trans-1,3-Dichloropropene	50	51		1	102	70-130	07/17/2014 0915
cis-1,3-Dichloropropene	50	52		1	105	70-130	07/17/2014 0915
Ethylbenzene	50	51		1	102	70-130	07/17/2014 0915
2-Hexanone	100	100		1	104	60-140	07/17/2014 0915
Isopropylbenzene	50	52		1	103	70-130	07/17/2014 0915
Methyl acetate	50	46		1	92	70-130	07/17/2014 0915
Methyl tertiary butyl ether (MTBE)	50	50		1	99	70-130	07/17/2014 0915
4-Methyl-2-pentanone	100	110		1	113	60-140	07/17/2014 0915
Methylcyclohexane	50	52		1	104	70-130	07/17/2014 0915
Methylene chloride	50	48		1	96	70-130	07/17/2014 0915
Styrene	50	51		1	102	70-130	07/17/2014 0915
1,1,2,2-Tetrachloroethane	50	52		1	104	70-130	07/17/2014 0915
Tetrachloroethene	50	50		1	101	70-130	07/17/2014 0915
Toluene	50	51		1	101	70-130	07/17/2014 0915
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	70-130	07/17/2014 0915
1,2,4-Trichlorobenzene	50	42		1	83	70-130	07/17/2014 0915
1,1,2-Trichloroethane	50	48		1	96	70-130	07/17/2014 0915
1,1,1-Trichloroethane	50	48		1	96	70-130	07/17/2014 0915

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: PQ51627-002
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49		1	98	70-130	07/17/2014 0915
Trichlorofluoromethane	50	52		1	105	60-140	07/17/2014 0915
Vinyl chloride	50	46		1	91	60-140	07/17/2014 0915
Xylenes (total)	100	100		1	100	70-130	07/17/2014 0915

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		111	70-130
Toluene-d8		118	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51627-003
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	107	11	60-140	20	07/17/2014 0938
Benzene	50	53		1	106	0.38	70-130	20	07/17/2014 0938
Bromodichloromethane	50	49		1	97	1.2	70-130	20	07/17/2014 0938
Bromoform	50	47		1	93	0.87	70-130	20	07/17/2014 0938
Bromomethane (Methyl bromide)	50	50		1	99	3.9	60-140	20	07/17/2014 0938
2-Butanone (MEK)	100	96		1	96	3.5	60-140	20	07/17/2014 0938
Carbon disulfide	50	54		1	107	0.11	60-140	20	07/17/2014 0938
Carbon tetrachloride	50	49		1	99	1.1	70-130	20	07/17/2014 0938
Chlorobenzene	50	48		1	96	0.59	70-130	20	07/17/2014 0938
Chloroethane	50	54		1	107	0.44	42-163	20	07/17/2014 0938
Chloroform	50	50		1	101	0.43	70-130	20	07/17/2014 0938
Chloromethane (Methyl chloride)	50	46		1	92	0.74	20-158	20	07/17/2014 0938
Cyclohexane	50	59		1	118	2.0	70-130	20	07/17/2014 0938
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	8.3	70-130	20	07/17/2014 0938
Dibromochloromethane	50	49		1	97	1.8	70-130	20	07/17/2014 0938
1,2-Dibromoethane (EDB)	50	49		1	98	2.0	70-130	20	07/17/2014 0938
1,4-Dichlorobenzene	50	51		1	102	0.65	70-130	20	07/17/2014 0938
1,2-Dichlorobenzene	50	49		1	99	0.77	70-130	20	07/17/2014 0938
1,3-Dichlorobenzene	50	51		1	102	0.71	70-130	20	07/17/2014 0938
Dichlorodifluoromethane	50	50		1	101	0.79	60-140	20	07/17/2014 0938
1,2-Dichloroethane	50	50		1	99	0.15	70-130	20	07/17/2014 0938
1,1-Dichloroethane	50	51		1	103	0.52	70-130	20	07/17/2014 0938
trans-1,2-Dichloroethene	50	50		1	101	0.61	70-130	20	07/17/2014 0938
1,1-Dichloroethene	50	51		1	102	0.81	70-130	20	07/17/2014 0938
cis-1,2-Dichloroethene	50	51		1	102	1.6	70-130	20	07/17/2014 0938
1,2-Dichloropropane	50	54		1	107	0.26	70-130	20	07/17/2014 0938
trans-1,3-Dichloropropene	50	51		1	102	0.37	70-130	20	07/17/2014 0938
cis-1,3-Dichloropropene	50	52		1	105	0.13	70-130	20	07/17/2014 0938
Ethylbenzene	50	51		1	102	0.50	70-130	20	07/17/2014 0938
2-Hexanone	100	110		1	107	2.8	60-140	20	07/17/2014 0938
Isopropylbenzene	50	50		1	100	2.6	70-130	20	07/17/2014 0938
Methyl acetate	50	47		1	94	2.6	70-130	20	07/17/2014 0938
Methyl tertiary butyl ether (MTBE)	50	51		1	102	2.8	70-130	20	07/17/2014 0938
4-Methyl-2-pentanone	100	120		1	115	1.9	60-140	20	07/17/2014 0938
Methylcyclohexane	50	53		1	105	1.1	70-130	20	07/17/2014 0938
Methylene chloride	50	48		1	95	0.85	70-130	20	07/17/2014 0938
Styrene	50	52		1	103	1.6	70-130	20	07/17/2014 0938
1,1,2,2-Tetrachloroethane	50	53		1	106	1.7	70-130	20	07/17/2014 0938
Tetrachloroethene	50	50		1	101	0.089	70-130	20	07/17/2014 0938
Toluene	50	51		1	102	1.1	70-130	20	07/17/2014 0938
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	0.098	70-130	20	07/17/2014 0938
1,2,4-Trichlorobenzene	50	45		1	90	7.4	70-130	20	07/17/2014 0938
1,1,2-Trichloroethane	50	48		1	97	0.25	70-130	20	07/17/2014 0938
1,1,1-Trichloroethane	50	50		1	100	3.6	70-130	20	07/17/2014 0938

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: PQ51627-003
Batch: 51627
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	97	0.73	70-130	20	07/17/2014 0938
Trichlorofluoromethane	50	53		1	106	0.71	60-140	20	07/17/2014 0938
Vinyl chloride	50	45		1	90	1.1	60-140	20	07/17/2014 0938
Xylenes (total)	100	100		1	101	0.74	70-130	20	07/17/2014 0938

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 18372

Client: NCDENR - DWM	Report to Contact: VINCE ANTRILLI	Sampler (Printed Name): LUTFY & KIRAS
Address: 217 W JONES ST	Telephone No. / Fax No. / Email: 919-707-8353	Waybill No.
City: RALEIGH State: NC Zip Code: 27603		Quote No.
Project Name: BUSICK Rd / AGATHA Dr.	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH	Page 1 of 2
Project Number: NONCD0000287	P.O. Number	Number of Containers: 3 A 5
		Bottle (See instructions on back)

PG08011

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW DW WW S Other	Analysis: VOCs
TRIP BLANK	7/7/14				✓
904 GREGAN		850	C		
864 GREGAN		915			
196 BUSICK - A		952			
196 BUSICK - B		1000			
216 BUSICK		1022			
272 BUSICK		1047			
7086 AGATHA - B		1207			
7091 AGATHA - B		1225			
7091 AGATHA - A		1238	↓	↓	↓

BUSICK Rd

AGATHA Dr

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify):

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by Sampler	7/7/14	1630	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: Fedex	7-8-14	0920	4. Laboratory Received by: Kelly W.R.	7-8-14	0920

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check): ☑ Yes ☐ No ☐ Ice Pack; Receipt Temp. 4.3 °C; Temp. Blank ☑ Y / ☐ N

7-8-14

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 18373

Client: ARCADIS - DWM	Report to Contact: VINCE ANTHELL	Sampler (Printed Name): LATTY HICKS	Quote No.
Address: 2170 TOWER DR	Telephone No. / Fax No. / Email: 919-707-6553	Waybill No.	Page: 2 of 2
City: RALEIGH State: NC Zip Code: 27603	Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH		Number of Containers: 3 / 3 / 3
Project Name: BUILDING AGATHA DR			Bottle (See Instructions on back)
Project Number	P.O Number		Preservative

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs
7091 AGATHA-RD	7/7/14	1240	G	✓					✓
7093 AGATHA		1302							
7094 AGATHA		1325							
7033 ELLISON		1347							

PG08011

AGATHA Dr.

Turn Around Time Required (Prior lab approval required for expedited TAT): ☒ Standard ☐ Rush (Please Specify)	Sample Disposal: ☐ Return to Client ☐ Disposal by Lab	QC Requirements (Specify)	Possible Hazard Identification: ☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown			
1. Relinquished by / Sampler: [signature]	Date: 7/7/2014	Time: 1630	1. Received by		Date	Time
2. Relinquished by	Date	Time	2. Received by		Date	Time
3. Relinquished by	Date	Time	3. Received by		Date	Time
4. Relinquished by: Fedex	Date: 7-8-14	Time: 0920	4. Laboratory Received by: Kelly Hall		Date: 7-8-14	Time: 0920

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Check): ☑ Yes ☐ No ☐ Ice Pack — Receipt Temp: 4.3 °C — Temp. Blank: ☑ Y / ☐ N

7-8-14

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Receipt Checklist (SRC)

Client: NCDENR Cooler Inspected by/date: KWP 7-8-14 Lot #: P608011

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	KWP 7-8-14	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
IR#5 14.2 14.3 °C ___ / ___ °C ___ / ___ °C ___ / ___ °C

Method: ☑ Temperature Blank ☑ Against Bottles IR Gun ID: #3 IR Gun Correction Factor: ___ °C

Method of coolant: ☑ Wet Ice KWP 7-8-14 ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☐	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____

Sample(s) _____ were not received at a pH of >2 and were adjusted accordingly using SR#_____

Sample labels applied by: KWP Verified by: _____ Date: 7-8-14

Comments:

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Waste Management

MEMORANDUM

Date: July 8, 2014

To: File

From: Vince Antrilli
Raleigh Regional Office
Inactive Hazardous Sites Branch

Re: Agatha Dr – Sampling Trip Summary
NONCD0002850

- Wade Kirby & Bobby Lutfy visited the site on July 7, 2014 to perform well sampling in the area. They sampled the addresses list below:
  (A=After Filter, B=Before Filter)
  7088 Agatha Dr (B)
  7091 Agatha Dr (A & B & After RO)
  7093 Agatha Dr (B)
  7094 Agatha Dr
  7033 Ellison Rd
- No other residents in the area responded to sample request letters, were not available by phone and were not home during the time that we were on site to sample.
- The samples collected were sent to Shealy Lab on July 7, 2014.

Well Log Sheet

Site Name: AGATHA Dr
Site Id #: NANCD 000281 7
Owner Name: JEREMY BARNES
Well Address: 7068 AGATHA DR
Well ID #: 7068 AGATHA 13
Before filter

Coordinates: _____ N
_____ E

Weather
Temp: 86°
Wind: [redacted] breeze
Percip: SUNNY

Date: 7/7/2014
Sample Team: LUFFY & KIRBY

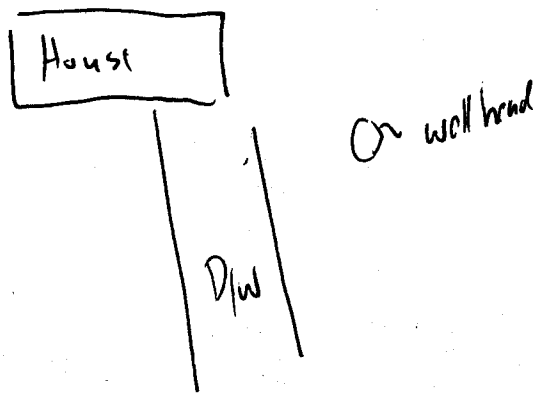
Comments (well construction, etc.) nobody home; no filter or tank @ wellhead sampled at well head
Weonly collected a "Before Filter" sample because uncertainty if a filter had been installed

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	24.9	24.0	22.5		
pH	6.12	6.19	6.22		
S.C.	153.2	153.1	153.8		
Turbidity					

Time Sample Collected: 1207

Water Condition (turbodity, color, odor): clear

Lot Layout



Samples Collected:
- ✓ VOCs (3 - 40ml vials)
- ____ 1,4 Dioxane (3 - 40ml vials)
- ____ SVOCs/PCBs (1 - 2L Amber bottle)
- ____ Metals (1 - 1L HDPE bottle)
- ____ Dioxin (1 - 1L bottle)
- ____ Pest./Herb. (1 - 2L Amber bottle)

Comments: _____

Well Log Sheet

Site Name: AGATHA Dr

Site Id #: NONC0006 2007

Owner Name: JIMMY & MELODIE ALLTHOUSE

Well Address: 7091 AGATHA Drive

Well ID #: 7091 AGATHA-A
Retail Filter

Coordinates: _____ N
_____ E

Weather

Temp: 86°

Wind: breeze

Percip: sunny

Date: 7-7-14

Sample Team: Kirby + Luffy

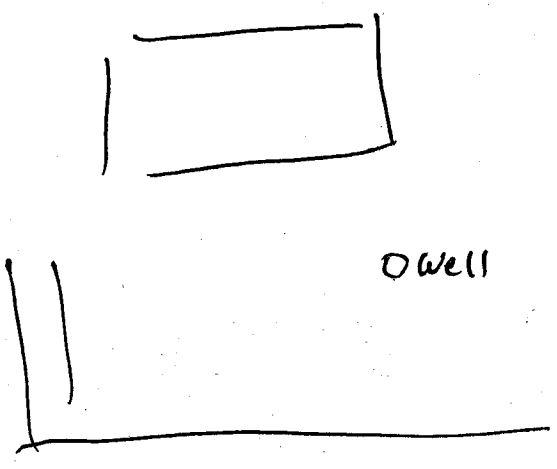
Comments (well construction, etc.) sampled at well head (pre-filter)

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	16.8	16.4	16.3		
pH	6.20	6.27	6.28		
S.C.	166.0	167.8	168.2		
Turbidity					

Time Sample Collected: 1225

Water Condition (turbodity, color, odor): clear

Lot Layout



Samples Collected:

____ VOCs (3 - 40ml vials)
____ 1,4 Dioxane (3 - 40ml vials)
____ SVOCs/PCBs (1 - 2L Amber bottle)
____ Metals (1 - 1L HDPE bottle)
____ Dioxin (1 - 1L bottle)
____ Pest./Herb. (1 - 2L Amber bottle)

Comments: _____

Well Log Sheet

Site Name: AGATHA DR

Site Id #: NONCD0002817

Owner Name: JIMMY & MELODIE AULTMAN

Well Address: 7051 AGATHA DRIVE

Well ID #: 7051 AGATHA-A
After filter

Coordinates: _____ N
_____ E

Weather

Temp: 86°

Wind: breeze

Percip: sunny

Date: [redacted] 7-7-14

Sample Team: Kirby & Lutfy

Comments (well construction, etc.) sample after filter system

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	20.7				
pH	6.44				
S.C.	165.9				
Turbidity					

Time Sample Collected: 12:38

Water Condition (turbodity, color, odor): clear

Lot Layout

Samples Collected:

- ✓ VOCs (3 - 40ml vials)
- ____ 1,4 Dioxane (3 - 40ml vials)
- ____ SVOCs/PCBs (1 - 2L Amber bottle)
- ____ Metals (1 - 1L HDPE bottle)
- ____ Dioxin (1 - 1L bottle)
- ____ Pest./Herb. (1 - 2L Amber bottle)

Comments:

Well Log Sheet

Site Name: Agatha Dr
Site Id #: NONCD 0002817
Owner Name: Jimmy + Melodie Aultrand
Well Address: 7091 Agatha Drive
Well ID #: 7091 Agatha – RO

Weather
Temp: 86°
Wind: breeze
Percip: sunny

Date: 7-7-14
Sample Team: Kirby + Lutfy

Coordinates: _____ N
_____ E

Comments (well construction, etc.) Sample after Reverse Osmosis filter system

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	22.5				
pH	5.53				
S.C.	32.2				
Turbidity					

Time Sample Collected: 12:40

Water Condition (turbodity, color, odor): clear

Lot Layout

Samples Collected:

- [x] VOCs (3 - 40ml vials)
- [ ] 1,4 Dioxane (3 - 40ml vials)
- [ ] SVOCs/PCBs (1 - 2L Amber bottle)
- [ ] Metals (1 - 1L HDPE bottle)
- [ ] Dioxin (1 - 1L bottle)
- [ ] Pest./Herb. (1 - 2L Amber bottle)

Comments:

Well Log Sheet

Site Name: Agatha Dr
Site Id #: NONCR000026I7
Owner Name: Daniel Cimino
Well Address: ~~7093 Agatha Dr~~
Well ID #: ~~7093 Agatha A-B~~ Before filter

Coordinates: _____ N
_____ E

Weather
Temp: Upper 80s
Wind: breeze
Percip: sunny

Date: 7-7-14
Sample Team: Kirby + Lutfy

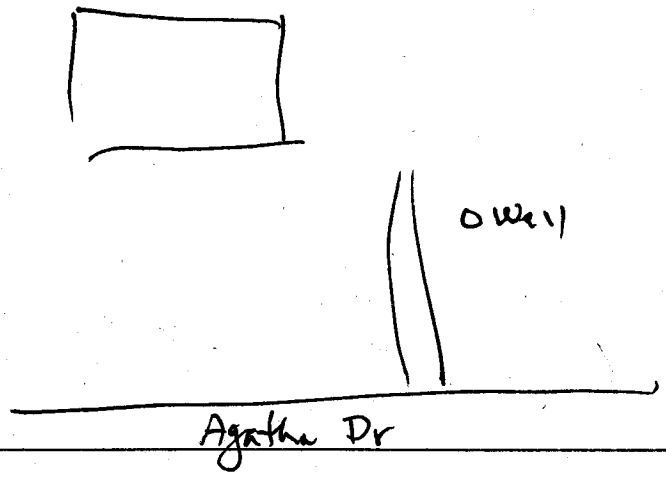
Comments (well construction, etc.) sampled at well head (pre-filter) nobody was home & not sure if a filter had been installed; we collected only a "Before Filter" sample because of uncertainties

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	16.5	16.3	16.4		
pH	6.11	6.02	6.01		
S.C.	273	266	362		
Turbidity					

Time Sample Collected: 1302

Water Condition (turbodity, color, odor): clear

Lot Layout



Samples Collected:

- ✓ VOCs (3 - 40ml vials)
- ____ 1,4 Dioxane (3 - 40ml vials)
- ____ SVOCs/PCBs (1 - 2L Amber bottle)
- ____ Metals (1 - 1L HDPE bottle)
- ____ Dioxin (1 - 1L bottle)
- ____ Pest./Herb. (1 - 2L Amber bottle)

Comments: _____

Well Log Sheet

Site Name: AGATHA DR

Site Id #: NONCO 0300 2817

Owner Name: ROBIN BAKER GONZALEZ

Well Address: 7094 AGATHA DR.

Well ID #: 7094 AGATHA - ~~Before filter sample~~

Coordinates: _____ N

_____ E

Weather

Temp: Upper 80s

Wind: breeze

Percip: sunny

Date: 7-7-14

Sample Team: Kirby & Lutfy

Comments (well construction, etc.) no spigot at well head
sampled at front of house

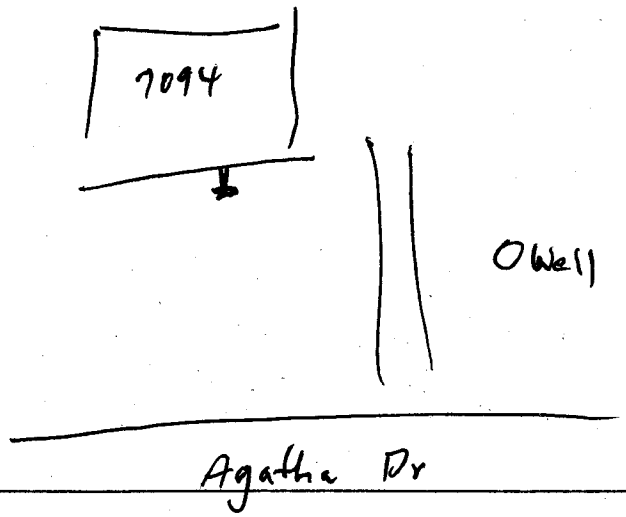
Owner returned call - she said she did not have a carbon filter. Therefore, we only collected a "Before Filter" sample

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	18.0	17.6	17.7		
pH	6.56	6.58	6.58		
S.C.	146.3	146.5	147.8		
Turbidity					

Time Sample Collected: 1325

Water Condition (turbodity, color, odor): clear

Lot Layout



Samples Collected:

- ✓ VOCs (3 - 40ml vials)
- ____ 1,4 Dioxane (3 - 40ml vials)
- ____ SVOCs/PCBs (1 - 2L Amber bottle)
- ____ Metals (1 - 1L HDPE bottle)
- ____ Dioxin (1 - 1L bottle)
- ____ Pest./Herb. (1 - 2L Amber bottle)

Comments: sand filter only - to take sand out of water

Well Log Sheet

Site Name: AGATHA DR.
Site Id #: MONCD 0002817
Owner Name: MICHAEL HENDRICKSON
Well Address: 7033 ELLISON RD
Well ID #: 7033 ELLISON - B

Weather
Temp: upper 80s
Wind: breeze
Percip: sunny

Date: 7-7-14
Sample Team: Kirby & Lutfy

Coordinates: _____ N
_____ E

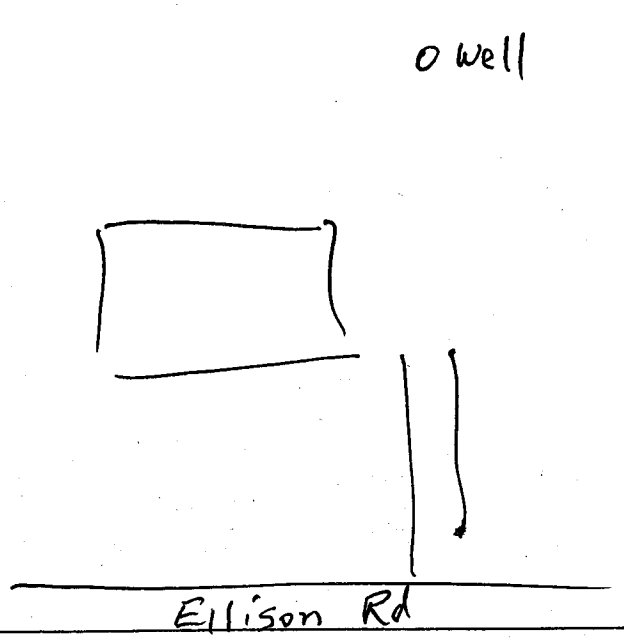
Comments (well construction, etc.) sampled at well head; nobody was home & did not have a phone number. not sure if system had a filter so we only collected sample at the well head "Before Filter" sample

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	17.0	17.0	16.9		
pH	5.99	6.13	6.09		
S.C.	109.0	109.4	110.3		
Turbidity					

Time Sample Collected: 1347

Water Condition (turbodity, color, odor): clear

Lot Layout



Samples Collected:
- ✓ VOCs (3 - 40ml vials)
- ____ 1,4 Dioxane (3 - 40ml vials)
- ____ SVOCs/PCBs (1 - 2L Amber bottle)
- ____ Metals (1 - 1L HDPE bottle)
- ____ Dioxin (1 - 1L bottle)
- ____ Pest./Herb. (1 - 2L Amber bottle)

Comments: _____

SHEALY

Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 18372

Client: WOODARD - DUNN	Report to Contact: VINCE ANTHILL	Sampler (Printed Name): MATT & KINGS	Quote No.
Address: 217 W JONES ST	Telephone No. / Fax No. / Email: 919-707-8352	Waybill No.	Page 1 of 2
City: RALEIGH	State: NC	Zip Code: 27603	
Project Name: BUSICK #1 / AGATHA DR			
Project Number: NOOD0002317	P.O Number: NOOD0002317		

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 3	A	5	VOCs	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
TRIP BLANK	7/6/17											✓					
900 GROOM		830	C														BUSICK #1
864 GROOM		915															
198 BUSICK - A		952															
198 BUSICK - B		1000															
210 BUSICK		1022															
272 BUSICK		1047															
7088 AGATHA - B		1207															AGATHA DR
7091 AGATHA - B		1225															
7091 AGATHA - A	↓	1238	↓	↓								↓					↓

Turn Around Time Required (Prior lab approval required for expedited TAT): ☐ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/7/2017	1630	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by		

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

SHEALY

Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 18373

Client	Report to Contact	Sampler (Printed Name)	Quote No.
NCDENR- DWM	VINCE ANTICELLI	LATEF ELKHATIB	
Address	**Telephone No. / Fax No. / Email**	**Waybill No.**	**Page**
217W JONES ST	919-707-8553		2 of 2

City	State	Zip Code	Project Name	Project Number	P.O Number
RALEIGH	NC	27603	BUSHIRE RD/ AGATHA RD		

Preservative
1. Unpres. 4. HNO3 7. NaOH
2. NaOH/ZnA 5. HCL
3. H2SO4 6. Na Thio.

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: VOCs	Number of Containers	Bottle (See Instructions on back)	Preservative	Lot No.	Remarks / Cooler ID
7091 AGATHA-10	7/3/14	1240	G	✓					✓	3	A	5		AGATHA DR
7093 AGATHA	↓	1302	↓	↓					↓					↓
7094 AGATHA		1325												
7033 ELLISON		1347												

Turn Around Time Required (Prior lab approval required for expedited TAT)
☐ Standard ☐ Rush (Please Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification
☐Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison ☐Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler	7/7/2014	1630	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by		

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack
Receipt Temp. _____ °C
Temp. Blank ☐ Y / ☐ N

Instructions

Please complete as many fields possible. Contact your lab Project Manager with any questions reagrding Chain of Custody completion.

Bottle Types (Insert letter code for bottle type submitted)

A - 40ml Vial Clear

B - 40ml Vial Amber

C - 125ml Plastic

D - 250ml Plastic

E - 250ml Amber

F - 500ml Plastic

G - 500ml Amber

H - 1L Plastic

I - 1L Amber

J - 1L Widemouth

K - 2L Plastic

L - 2 oz. jar

M - 4 oz. jar

N - 9 oz jar

O - 100ml sterile

Agatha Drive (NONCD 000 2817)
Guilford County

Agatha Drive, Guilford County Addresses (NONCD0002817)

Well Address	Parcel ID#	Owner / Mailing Address	Phone Number	Sampling permission
7098 Agatha Drive	150728	Larry and Naomi Hart 7098 Agatha Dr Stokesdale, NC 27357	number disconnected	No Response
7096 Agatha Drive	150729	Amanda Williams 7096 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7094 Agatha Drive *2	150730	Robin Baker Gonzalez 7094 Agatha Drive Stokesdale, NC 27357	336-601-5584 cell	yes, email
7092 Agatha Drive	150731	James Sizemore 7092 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7090 Agatha Drive	150732	Jeffrey and Fredia Wright 7090 Agatha Drive Stokesdale, NC 27357	number disconnected	No Response
7088 Agatha Drive *1	150733	Jeremy Barnes 7088 Agatha Drive Stokesdale, NC 27357	336-643-2503	yes, phone
7099 Agatha Drive	150740	Robin Meyer 7099 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7097 Agatha Drive	150737	Michele Roberts 7097 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7095 Agatha Drive	150736	Abiga and Rae Pridgen 2801 Regents Park Lane Greensboro, NC 27455	no listing	No Response
7093 Agatha Drive *1	150735	Daniel Cimino 7093 Agatha Drive Stokesdale, NC 27357	336-644-9601	yes, phone
7091 Agatha Drive	150734	Jimmy and Melodie Autrand 7091 Agatha Drive Stokesdale, NC 27357	336-944-2828	yes, phone. Has full house carbon filter and under sink RO. Need to collect at well, after carbon system, and after Ro system. Call in advance.

7033 Ellison Road *1	150739	Michael Hendrickson 7033 Ellison Road Stokesdale, NC 27357		yes, email
7031 Ellison Road	150738	Kay Smith 7031 Ellison Road Stokesdale, NC 27357	336-643-4461	No, phone
7027 Ellison Road	150704	Leta Climer Living Trust Agreement 21 Stone Gate North Longwood, FL 32779		Returned. Insufficient Address
7018 Ellison Road	150707	Eva Sue Quate 7018 Ellison Road Stokesdale, NC 27357	no listing	No Response
7018-A Ellison Road	150711	Brad and Kimberley Moore 7018-A Ellison Road Stokesdale, NC 27357	no listing	No Response

*1 Collected a sample from before filter only at the well head. Nobody was home & could not confirm there was a filter system being used.

*2 Homeowner called to sayshe dod not have a carbon filter, only a sediment filter. There was no faucet by the well head so sample was collected at front of house.

NCDENR
North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

June 17, 2014

Eva Sue Quate
7018 Ellison Road
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Quate:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7018 Ellison Road in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that ***we may*** collect a sample from your well. You can reach me by calling **(919) 707-8353**, emailing me at **Vincent.Antrilli@ncdenr.gov** or by responding to this letter stating that you are granting permission for the State to sample your well. **If you have any questions, comments, or concerns, please contact me.**

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

NCDENR
North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

June 17, 2014

Brad and Kimberley Moore
7018-A Ellison Road
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Moore:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7018-A Ellison Road in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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North Carolina Department of Environment and Natural Resources

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Governor

John E. Skvarla, III
Secretary

June 17, 2014

Leta Climer Living Trust Agreement
21 Stone Gate
North Longwood, FL 32779

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Sir or Madame:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7027 Ellison Road in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Governor

John E. Skvarla, III
Secretary

June 17, 2014

Kay Smith
7031 Ellison Road
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Smith:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7031 Ellison Road in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
Superfund Section

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North Carolina Department of Environment and Natural Resources

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John E. Skvarla, III
Secretary

June 17, 2014

Michael Hendrickson
7033 Ellison Road
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Hendrickson:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7033 Ellison Road in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
Superfund Section

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John E. Skvarla, III
Secretary

June 17, 2014

Jeremy Barnes
7088 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Barnes:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7088 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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John E. Skvarla, III
Secretary

June 17, 2014

Jeffrey and Fredia Wright
7090 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Wright:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7090 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
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Pat McCrory
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John E. Skvarla, III
Secretary

June 17, 2014

Jimmy and Melodie Autrand
7091 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Autrand:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7091 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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John E. Skvarla, III
Secretary

June 17, 2014

Robin Meyer
7099 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Meyer:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7099 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
Superfund Section

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North Carolina Department of Environment and Natural Resources

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Secretary

June 17, 2014

James Sizemore
7092 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Sizemore:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7092 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Secretary

June 17, 2014

Daniel Cimino
7093 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Cimino:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7093 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
Superfund Section

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North Carolina Department of Environment and Natural Resources

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John E. Skvarla, III
Secretary

June 17, 2014

Robin Baker Gonzalez
7094 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Gonzalez:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7094 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Secretary

June 17, 2014

Abiga and Rae Pridgen
2801 Regents Park Lane
Greensboro, NC 27455

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Pridgen:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7095 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Pat McCrory
Governor

John E. Skvarla, III
Secretary

June 17, 2014

Amanda Williams
7096 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Williams:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7096 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
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Pat McCrory
Governor

John E. Skvarla, III
Secretary

June 17, 2014

Michele Roberts
7097 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Roberts:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7097 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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June 17, 2014

Larry and Naomi Hart
7098 Agatha Drive
Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Hart:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at **7098 Agatha Drive in Stokesdale, Guilford County,** as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Inactive Hazardous Sites Branch
Superfund Section

Agatha Drive – NONCD002817

Last sample date 10/27/2010

Highest detection at 7095 Agatha Drive: 1,2-Dichloropropane at 11.9 ug/L (MCL at 5.0 and 2L at 0.6)

Agatha Dr, Guilford County Addresses (NONCD0002817)

Well Address	Parcel ID#	Owner / Mailing Address	Phone # / email	Sampling Permission
7095 Agatha Dr	13-10-0658-0-0980-00-058	Abigal Pridgen 2801 Regents Park Lane Greensboro, NC 27455	336-288-0069	Called. Left message 3-18-11

Agatha Dr - NONCD0002817

Well Address	Sample Date	Sample By	Well ID#	PCE 2L= 0.7 MCL= 5 RAL= 12	TCE 2L= 3 MCL= 5 RAL= 300	1,4-Dioxane 2L = 3 MCL= RAL= 61	Chloroform 2L= 70 MCL= 80 RAL= 100	1,1-DCA 2L= 6 MCL= RAL= 242	1,2-DCA 2L = 0.4 MCL= RAL=	1,1-DCE 2L= 7 MCL = 7 RAL= 7	cis-1,1-DCE 2L= 6 MCL= RAL= 242	Chloromethane 2L= 3 MCL= RAL= 563	1,2-Dichloropropane 2L= 0.6 MCL= 5 RAL =	HRE Sent	Comments
7095 Agatha Dr		Guilford Co											**11.9**	Y	Unknown if filter is in use
7091 Agatha Dr PRE-FILTER	**10/27/2010**	Guilford Co											**2.1**	Y	Filter in use.
7091 Agatha Dr POST-FILTER	10/27/2010	Guilford Co	No Detection ?										0	Y	
7088 Agatha Dr	10/27/2010	Guilford Co	No Detection											Y	
7093 Agatha Dr	10/27/2010	Guilford Co												Y	Trace detection of 1,2-Dichloropropane

Notes:
All units in ug/l (ppb)
Above MDL Limit = **BOLD**
Above 2L Limit = **BOLD**
Above MCL Limit = **BOLD**
Above RAL = **BOLD**
Chloroform Below 2L = **BOLD**
HRE Sent =
*=Sample collected after filter system
(T) or (t) = Total

1,1-DCA = 1,1 Dichloroethane
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
Chloromethane (AKA - Methyl Chloride)

Agatha Drive (NONCD 000 2817)
Guilford County

Properties To Be Sampled

3/3/2011

Agatha Dr
NONCD 000 2817

Antrilli, Vincent

From: Baker-Gonzales, Robin L
Sent: Monday, June 23, 2014 7:51 AM
To: Antrilli, Vincent
Subject: FW: Water testing

Sorry my address is 7094 Agatha Drive Stokesdale

From: Baker-Gonzales, Robin L
Sent: Monday, June 23, 2014 7:50 AM
To: Antrilli, Vincent
Subject: Water testing

Vincent,

Hello this is Robin Baker Gonzales I received a letter from you in the mail to test the water.

I will have no problem with the testing I think this has been a problem in the past .

If you have any questions you can contact me a work at 336-487-0103 or my cell at 336-601-5584.

Thank you,

Robin

SITE HEALTH AND SAFETY PLAN

A. General Information

Site Name Agatha Drive ID # NONCD 000 2817

7095 Agatha Drive, Stokesdale, Guilford County, NC

Proposed Date of Investigation 7/2/14 to 8/2/14

Date of Briefing 6/23/14

Date of Debriefing 8/4/14

Nature of Visit (check one):

On-Site Reconnaissance	
Off-Site Reconnaissance	
Sampling	X
Sampling Overview	
Remediation Overview	

Health Department Official Contacted Ken Carter's voice mail

Date of Contact 6/23/14

Site Investigation Team: All site personnel have read the Site Health and Safety Plan and are familiar with its provisions.

Personnel	Responsibilities	Signature
Team 1 Vince Antrilli	team leader, sampling	
Team 1 Wade Kirby	sampling	
Team 1 Bobby Lutfy	sampling	

Plan Preparation:

Prepared By: David Lilley, Industrial Hygiene Consultant

Reviewed By: Jim Bateson, Superfund Section Chief

B. SITE/WASTE CHARACTERISTICS

Waste Type(s) _X_ Liquid _____ Solid _____ Sludge ____ Gas _X_ Vapor

Characteristics _____ Corrosive _X_ Ignitable _____ Radioactive

_X_ Volatile _X_ Toxic _____ Reactive _____ Other

List Known or Suspected Hazards (physical, chemical biological or radioactive) on Site and their toxicological effects. Also, if known, list chemical amounts

HAZARD	WARNING PROPERTIES	EXPOSURE LIMIT
1,2-Dichloropropane	Odor Threshold (OT) = 0.25 ppm	10 ppm

UNDERGROUND UTILITIES CHECKLIST

Utility Location	Locator/Contact Person	Phone #	Date of
Power			
Telephone			
Gas			
Water			
Sewer			

Call made by:

ID # NONCD 000 2817

Facility Description: Size unknown Buildings yes

Disposal Methods Being Investigated The site is a groundwater plume with no obvious source.

Unusual Features on Site (dike integrity, power lines, terrain, etc.):
None known.

History of the Site: The site is a groundwater plume with no obvious source.

C. HAZARD EVALUATION

The site can be toured and sampled in level D protection. PVC gloves will be worn while collecting water samples. Chemically resistant knee length boots will be worn on site if the potential for surface soil contamination exists.

D. WORK PLAN INSTRUCTION

Map or Sketch Attached? yes
Perimeter Identified? no
Command Post Identified? no
Zones of Contamination Identified? no
Personal Protective Equipment/Level of Protection: _____C ___X__D

Modifications Wear goggles, face shield, and PVC gloves while preparing acid preserved samples, goggles and PVC gloves while collecting acid preserved samples. Avoid breathing acid vapors.

ID # NONCD 000 2817

Surveillance Equipment:

_____ HNU	_____ Detector Tubes and Pumps
_____ OVA	_____ 02 Meter
_____ Explosimeter	_____ Radiation Monitor

Decontamination Procedures

_____Level C Respirator wash, respirator removal, suit wash (if needed), suit removal, boot wash, boot removal and glove removal.

__X__Level D Boot wash and rinse and boot removal, suit removal, glove and goggle removal.

Modifications Dispose of trash properly, on-site if possible.

Work Schedule/Visit Objectives The purpose of this visit is to determine if the site poses a threat to the public health or environment because of releases of contaminants to soil, surface water, groundwater, or air. Sampling may consist of groundwater sampling.

EMERGENCY PRECAUTIONS

Route of Exposure	First Aid
Eyes	irrigate immediately
Skin	soap and water wash
Inhalation	fresh air and artificial respiration
Ingestion	get medical attention immediately

ID # NONCD 000 2817

Location of Nearest Phone: nearby residences

Hospital (Address and Phone Number)

Wesley Long Community Hospital, 501 N Elam Ave, Greensboro, NC (336) 854-6100

Emergency Transportation Systems (Phone Numbers)

Fire 911

Ambulance 911

Rescue Squad 911

Emergency Route to Hospital see next page

PREVAILING WEATHER CONDITIONS AND FORECAST

EQUIPMENT CHECKLIST

___	Air purifying respirator	X	First Aid Kit
___	Cartridges for respirator	X	3 gal. Deionized H20
X	Eye Wash Unit	X	Rain suit
___	HNU	X	Gloves (PE/PVC/nitrile/cloth)
___	OVA	X	Boots/Boot Covers
___	Explosimeter	X	Coveralls (tyvek/saranex)
___	Radiation Monitor	X	Eye Protection (goggles/shield)
X	Decontamination Materials	X	Hard Hat

STATE POISON CONTROL CENTER
1-800-848-6946

North Carolina OSHA
1-800-LABOR-NC

Please complete and submit the Air Monitoring and Injury Report Form at:
https://spreadsheets.google.com/spreadsheet/viewform?formkey=dHoyS1Jhc0RCN3Nwam91SXhvVVBNYnc6MQ

mapquest

Trip to:

501 N Elam Ave

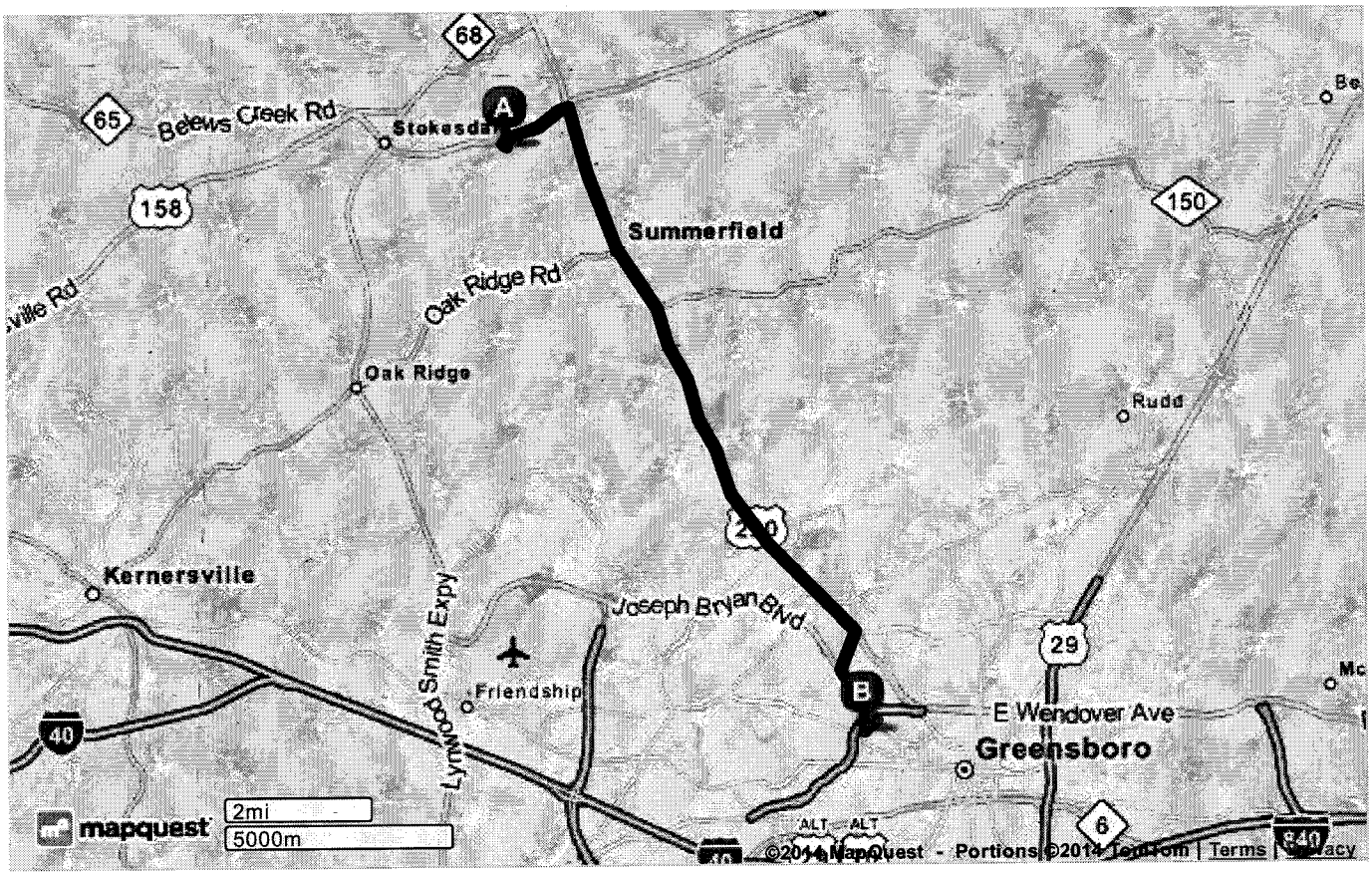
Greensboro, NC 27403-1118

14.65 miles / 21 minutes

Notes

		Download Free App
A	**7095 Agatha Dr**, Stokesdale, NC 27357-8548	
●	1. Start out going **northwest** on **Agatha Dr** toward **Ellison Rd.** Map	**0.08 Mi** *0.08 Mi Total*
↱	2. Turn **right** onto **Ellison Rd.** Map	**0.2 Mi** *0.2 Mi Total*
↱ EAST 158	3. Turn **right** onto **US Highway 158 / US-158 E.** Map *Parkers Restaurant is on the corner*	**1.1 Mi** *1.3 Mi Total*
RAMP	4. Take the ramp toward **Greenboro / Madison.** Map	**0.1 Mi** *1.5 Mi Total*
↱ SOUTH 220	5. Turn **right** onto **US Highway 220 N / US-220 S.** Continue to follow **US-220 S.** Map	**11.0 Mi** *12.5 Mi Total*
↱	6. Turn **right** onto **Benjamin Pkwy.** Map *Benjamin Pkwy is 0.1 miles past Martinsville Ct* *McDonald's is on the corner* *If you reach W Cone Blvd you've gone a little too far*	**0.7 Mi** *13.2 Mi Total*
↰	7. Turn **left** to stay on **Benjamin Pkwy.** Map	**1.2 Mi** *14.4 Mi Total*
↱	8. Turn **right** onto **N Elam Ave.** Map *N Elam Ave is 0.3 miles past Green Valley Rd* *Kiser Middle School is on the corner* *If you reach Campus Dr you've gone about 0.1 miles too far*	**0.3 Mi** *14.7 Mi Total*
■	9. **501 N ELAM AVE** is on the **right.** Map *Your destination is just past Salk Pl* *If you reach Villa Dr you've gone about 0.1 miles too far*	
B	**501 N Elam Ave**, Greensboro, NC 27403-1118	

Total Travel Estimate: **14.65 miles - about 21 minutes**



HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: 1,2-Dichloropropane

I. PHYSICAL/CHEMICAL PROPERTIES

	Reference
Chemical Formula C3 H6 Cl2	1
Natural Physical State at 25°C liquid	2
Vapor Pressure 40 mm Hg at 20°C	3
Melting Point -149 °F/°C Boiling Point 206 °F/°C	3
Flash Point (open or closed cup) 60 °C/°F	3
Solubility - H_2O 0.3 %	3
Other miscible with organic solvents	1

Physical Features: (odor, color, etc.) colorless, stable liquid with an odor like chloroform (2) IP = 10.87 eV

II. TOXICOLOGICAL DATA

Standards: 10 ppm (4) TLV 75ppm (5) PEL 2,000ppm (3) IDLH

Routes of Exposure: Inhalation, Eye/Skin contact, Ingestion

Acute/Chronic Symptoms: Eye and skin irritation, drowsiness, light-headedness carcinogenic in animals, liver and kidney disease (3)

First Aid: Inhalation: artificial respiration; Ingestion: get medical attention immediately; Eye contact: irrigate immediately; Skin contact: soap and water wash immediately

Chemical Name: 1,2-Dichloropropane

III. HAZARDOUS CHARACTERISTICS

Reference

A. Combustibility Yes X No ____ 3

Toxic by-products toxic and irritating gases 6

may be generated

B. Flammability LEL 3.4% UEL 14.5% 3

C. Reactivity Hazard no reaction with common materials 6

incompatible with strong oxidizers and acids 3

D. Corrosivity Hazard yes/no pH: _____

Neutralizing agent: _____

E. Radioactive Hazard

		Exposure Rate	
Background	yes/no	_____	_____
Alpha particles	yes/no	_____	_____
Beta particles	yes/no	_____	_____
Gamma radiation	yes/no	_____	_____

IV. REFERENCES

1. The Merck Index, 11th Edition, Sax, 1989.
2. The Condensed Chemical Dictionary, Sax, 11th Edition, 1987.
3. Pocket Guide to Chemical Hazards, NIOSH, 1990.
4. Threshold Limit Values and Biological Exposure Indices for 2007, ACGIH.
5. 29 CFR 1910.1000.
6. Chemical Hazard Response Information System, US Department of Transportation, 1987.

CORVEL

WC Authorization | Physician's Report | Pharmacy Guide

MAILING ADDRESS: P.O. Box 77880, Charlotte, NC 28271
800-365-5998 www.corvel.com

EMPLOYER: Please complete the top section and give to the injured employee to take with them to their authorized treating physician. If you already have transitional duty job descriptions available, please attach a copy for the treating physician's review.

Name of Employee: **Last:**	**First:**
Date of Injury:	
Name of Employer:	
Employer Signature:	Treating Physician:

EMPLOYEE: Please take this form with you to an authorized treating physician. Please have the physician complete the middle section and return this immediately to your employer. The bottom section is for you to show the pharmacist should you need to have any prescriptions filled as prescribed by your authorized treating physician for this work related injury.

AUTHORIZED PHYSICIAN, PLEASE COMPLETE

Diagnosis: _____

A post accident drug test (check one) ( ) **has** been completed ( ) **has not** been completed

In accordance with this patient's physical capability, check all that apply:

( ) May resume work immediately, no restriction.
( ) May resume work immediately with the following restrictions:
- ( ) Sedentary work (sitting, occasional walking, standing, lifting less than 10 pounds)
- ( ) Light work (lifting less than 20 pounds)
- ( ) Medium work (lifting less than 50 pounds)
- ( ) Heavy work (lifting less than 100 pounds)
- ( ) Normal shift
- ( ) Limited hours: ____ hrs, _____hrs, _____hrs per day
- ( ) Other: _____

( ) Repetitive Motion Restrictions (specific to hand/arm injuries):

Frequency	Left	Right
No Use		
Occasional <33% of time		
Frequent 34-66% of time		
Regular 67-100% of time		

( ) Patient may return to work at full duty on (date) _____
( ) Patient has a return appointment on (date) _____ at (time) _____

Please indicate any referrals that are required: _____

Physician's Signature **Date** **Physician's Name (type or print)**

Physician Offices – Be sure to contact CorVel's Claim Department at 800-365-5998 for authorization for the referral.

PHARMACIST: Please use the Injured Worker's **SSN and Date of Injury (SSN+MMDDYYYY)** as their 17 digit Identification Number when entering information to process an online claim to CorVel on behalf of Department of Environmental and Natural Resources injured employees. Pharmacies can contact the **CorVel Customer Service at 800-563-8438 or CVS/Caremark Pharmacy Help Desk at 877-876-7216,** for assistance with claims processing.

DO NOT CHARGE THE PATIENT FOR THE PRESCRIPTION.

CHAIN NAME	CHAIN NAME	CHAIN NAME	CHAIN NAME
Bi-Lo Pharmacy	Horizon Pharmacy	Revco drugs	VIX Pharmacy
Bi-Mart	HyVee Drugtown	Rite-Aid drugs	Walgreen's
Brooks Drugs	J & J Pharmacy	RX Discount Pharmacy	Wal-Mart Pharmacy
Brookshire Brothers	Joel & Jerry's	Sack-n-Save	Wegman Pharmacy
Cub Pharmacy	Kash N Karry	Sav-A-Lot	Winn-Dixie
CVS Drugs	Kerr Drugs	Sams Club Pharmacy	
Drug Emporium	K-mart phcy	Save Mart	
Eckerds(all others)	Long's Phcy	Stop N Shop	
Franck's Pharmacy	Medicine Shoppe	Super D	
Fred Meyer	Medistat Phcy	Super Valu	
Fred's Pharmacy	Milner-Rushing Drugs	Super X (HSI)	
Giant Pharmacy	Pathmark Pharmacy	Tom Thumb Phcy	
Goodings	Perry Drg Str	Tops Pharmacy	
Hannaford Food &	Phar-Mor	Tri Daly Drugs	

Group Number: RXFFWC311
CCRx BIN: 004336
PCN: ADV Rev. 6/10
Dept. of Environ. & Natural Res.

CORVEL

*** All participating pharmacies have not been included on this list. Please have your pharmacy call regarding any questions/ authorizations 800-563-8438.**

Antrilli, Vincent

From: Michael Hendrickson [91s10driver@gmail.com]
Sent: Sunday, June 29, 2014 8:52 PM
To: Antrilli, Vincent
Subject: Re: Well Testing

Sure Vince go ahead and test mine, I would like to see the findings once available.

Mike 336-420-3969

On Fri, Jun 27, 2014 at 8:51 AM, Antrilli, Vincent <vincent.antrilli@ncdenr.gov> wrote:

Good morning Mr. Hendrickson,

The data I have dates back to 2010 however Guilford County may have data that dates back further. The contamination is 1,2 dichloropropane which was used in older agricultural areas to fumigate crops and orchards. The actual contamination most likely occurred back about 30-40 years ago prior to it becoming a banned chemical. There are several homes on Agatha Drive that are affected by this and we are continuing our follow up to see if the situation has become worse or is getting better. We will continue to monitor the groundwater conditions every few years.

If you should have any further questions, please do not hesitate to contact me.

So can I add you to our list for sampling?

Thank you,

Vincent Antrilli, Jr.

Environmental Specialist,

Bernard Allen Fund Program Manager

Inactive Hazardous Sites Branch

NC Division of Waste Management

Vincent.Antrilli@ncdenr.gov

Physical Address:

217 West Jones Street

Raleigh, NC 27603

Mailing Address:

1646 Mail Service Center

Raleigh, NC 27699-1646

Tel: 919-707-8353

Fax: 919-707-8353 [Same as Tel]

Main Tel: 919-707-8200

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From: Michael Hendrickson [mailto:91s10driver@gmail.com]
Sent: Thursday, June 26, 2014 9:03 PM
To: Antrilli, Vincent
Subject: Well Testing

Hi Vincent,

Got the letter in the mail an you may collect a sample from 7033 Ellison Rd. Stokesdale, NC 27357.

What is the Groundwater contamination incident that happened? When did it happen?

Thanks!

Mike Hendrickson

336-420-3969